



111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 • FAX: (603) 429-8496
www.amrolabs.com

June 28, 2010

ANALYTICAL TEST RESULTS

Raymond Siegener
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801
TEL: (781) 721-4098
FAX: (781) 721-4073

Subject: 09382-2 Canton Airport

Workorder No.: 1006063

Dear Raymond Siegener:

AMRO Environmental Laboratories Corp. received 2 samples on 6/16/2010 for the analyses presented in the following report.

AMRO is accredited in accordance with NELAC and certifies that these test results meet all the requirements of NELAC, where applicable, unless otherwise noted in the case narrative.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of 60 days from sample receipt date (90 days for samples from New York). After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 12 pages. This letter is an integral part of your data report. All results in this project relate only to the sample(s) as received by the laboratory and documented in the Chain-of-Custody. This report shall not be reproduced except in full, without the written approval of the laboratory. If you have any questions regarding this project in the future, please refer to the Workorder Number above.

Sincerely,

Nancy Stewart
Vice President

State Certifications: NH (NELAC): 1001, MA: M-NH012, CT: PH-0758, NY: 11278 (NELAC), ME: NH012 and 1001, NJ: NH125, RI: 00105, U.S. Army Corps of Engineers (USACE), Naval Facilities Engineering Service Center (NFESC).

Hard copy of the State Certification is available upon request.

AMRO Environmental Laboratories Corp.

28-Jun-10

Lab Order: 1006063

Client: GEI Consultants, Inc.

Project: 09382-2 Canton Airport

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Analytical Test Name Preparatory Test Name	Prep Date	Analysis Date Batch ID	TCLP Date
1006063-01A	093822-D2-00-B	6/15/2010 12:15:00 PM	Soil	EPA 8082 PCBs IN SOIL/SOLIDS	6/21/2010	6/24/2010	
				EPA 3540C SOPREP SOXHLET: PCBs	6/21/2010	20352	
			Percent Moisture			6/17/2010	
						R44831	
1006063-02A	093822-D1-3-AA	6/15/2010 2:15:00 PM		EPA 8082 PCBs IN SOIL/SOLIDS	6/21/2010	6/23/2010	
				EPA 3540C SOPREP SOXHLET: PCBs	6/21/2010	20352	
			Percent Moisture			6/17/2010	
						R44831	

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
(603) 424-2022

Client: <u>GET</u>		AMRO ID: <u>1006063</u>	
Project Name: <u>09382-2 CAMDEN AIRPORT</u>		Date Rec.: <u>6-16-10</u>	
Ship via: (circle one) Fed Ex., <u>UP8</u> , AMRO Courier,		Date Due: <u>6-23-10</u>	
Hand Del., Other Courier, Other:			

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			<input checked="" type="checkbox"/>	
2. Custody Seals present?			<input checked="" type="checkbox"/>	
3. Custody Seals intact?			<input checked="" type="checkbox"/>	
4. Air Bill included in folder if received?			<input checked="" type="checkbox"/>	
5. Is COC included with samples?	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
6. Is COC signed and dated by client?	<input checked="" type="checkbox"/>			
7. Laboratory receipt temperature.				
Samples rec. with ice <input checked="" type="checkbox"/> ice packs <input type="checkbox"/> neither <input type="checkbox"/>				
8. Were samples received the same day they were sampled?		<input checked="" type="checkbox"/>		
Is client temperature = or <6°C ?				
If no obtain authorization from the client for the analyses.				
Client authorization from: _____ Date: _____ Obtained by: _____				
9. Is the COC filled out correctly and completely?	<input checked="" type="checkbox"/>			
10. Does the info on the COC match the samples?	<input checked="" type="checkbox"/>			
11. Were samples rec. within holding time?	<input checked="" type="checkbox"/>			
12. Were all samples properly labeled?	<input checked="" type="checkbox"/>			
13. Were all samples properly preserved?	<input checked="" type="checkbox"/>			
14. Were proper sample containers used?	<input checked="" type="checkbox"/>			
15. Were all samples received intact? (none broken or leaking)	<input checked="" type="checkbox"/>			
16. Were VOA vials rec. with no air bubbles?			<input checked="" type="checkbox"/>	
17. Were the sample volumes sufficient for requested analysis?	<input checked="" type="checkbox"/>			
18. Were all samples received?	<input checked="" type="checkbox"/>			
19. VPH and VOA Soils only:				
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:				
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?				
Dry Weight Log?				
Client Log?				
Composite Log?				
Filtration Log?				
Received By: <u>MG</u>		Date: <u>6-16-10</u>		
Labeled By: <u>MG/KW</u>		Date: <u>6-16-10</u>		
Logged in By: <u>KW</u>		Date: <u>6-16-10</u>		
Checked By: <u>MG</u>		Date: <u>6-16-10</u>		

MADEP MCP Analytical Method Report Certification Form						
Laboratory Name: AMRO Environmental Laboratories, Inc.			Project Number: 1006063			
Project Location: 09382-2 Canton Airport			MADEP RTN 1			
1006063-01	1006063-02					
Sample Matrices:		Ground Water <input type="checkbox"/> Soil / Sediment <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> Other Matrix <input type="checkbox"/>				
MCP SW-846 Methods Used	8260B <input type="checkbox"/>		8151A <input type="checkbox"/>	8330 <input type="checkbox"/>	6010B <input type="checkbox"/>	7470A/1A <input type="checkbox"/>
	8270C <input type="checkbox"/>		8081A <input type="checkbox"/>	VPH <input type="checkbox"/>	6020 <input type="checkbox"/>	9014M ² <input type="checkbox"/>
	8082 <input checked="" type="checkbox"/>		8021B <input type="checkbox"/>	EPH <input type="checkbox"/>	7000S ³ <input type="checkbox"/>	Other <input type="checkbox"/>
As specified in MADEP Compendium of Analytical Methods		List Release Tracking Number (RTN) if known ZM - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method S - SW-846 Methods 7000 Series List individual method analyte (check all that apply)				
An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status						
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?				<input checked="" type="radio"/> Yes <input type="radio"/> No ¹	
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guide lines?				<input checked="" type="radio"/> Yes <input type="radio"/> No ¹	
C	Does the analytical data included in this report meet all the requirements for Presumptive Certainty, as described in Section 2.0 of the MADEP document CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?				<input checked="" type="radio"/> Yes <input type="radio"/> No ¹	
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?				<input checked="" type="radio"/> Yes <input type="radio"/> No ¹ <i>6/29/10</i>	
A response to questions E and F below is required for "Presumptive Certainty" status						
E	Were all QC performance standards and recommendations for the specified methods achieved?				<input checked="" type="radio"/> Yes <input type="radio"/> No ¹	
F	Were results for all analyte-list compounds / elements for the specified method(s) reported?				<input checked="" type="radio"/> Yes <input type="radio"/> No ¹	
¹ All NO answers must be addressed in an attached Environmental Laboratory case narrative.						
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.						
Signature: <u><i>Nancy Stewart</i></u>			Position: <u>Vice Pres.</u>			
Printed Name: <u>Nancy Stewart</u>			Date: <u>6-29-10</u>			

AMRO Environmental Laboratories Corp.

Date: 28-Jun-10

CLIENT: GEI Consultants, Inc.
Project: 09382-2 Canton Airport**Lab Order:** 1006063**Lab ID:** 1006063-01**Collection Date:** 6/15/2010 12:15:00 PM**Collection Time:****Client Sample ID:** 093822-D2-00-B**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082			Analyst: KA	
Aroclor 1016	ND	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Aroclor 1221	ND	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Aroclor 1232	ND	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Aroclor 1242	ND	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Aroclor 1248	ND	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Aroclor 1254	ND	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Aroclor 1260	4,200	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Aroclor 1262	ND	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Aroclor 1268	ND	290		µg/Kg-dry	5	6/24/2010 6:03:00 PM
Surr: Tetrachloro-m-xylene	95.7	30-150		%REC	5	6/24/2010 6:03:00 PM
Surr: Decachlorobiphenyl	112	30-150		%REC	5	6/24/2010 6:03:00 PM

Lab ID: 1006063-02**Collection Date:** 6/15/2010 2:15:00 PM**Collection Time:****Client Sample ID:** 093822-D1-3-AA**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082			Analyst: KA	
Aroclor 1016	ND	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Aroclor 1221	ND	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Aroclor 1232	ND	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Aroclor 1242	ND	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Aroclor 1248	ND	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Aroclor 1254	ND	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Aroclor 1260	510	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Aroclor 1262	ND	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Aroclor 1268	ND	130		µg/Kg-dry	1	6/23/2010 3:50:00 PM
Surr: Tetrachloro-m-xylene	80.1	30-150		%REC	1	6/23/2010 3:50:00 PM
Surr: Decachlorobiphenyl	83.8	30-150		%REC	1	6/23/2010 3:50:00 PM

AMRO Environmental Laboratories Corp.

Date: 28-Jun-10

CLIENT: GEI Consultants, Inc.

Work Order: 1006063

Project: 09382-2 Canton Airport

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID LCS-20352 Batch ID: 20352 Test Code: SW8082 Units: µg/Kg Analysis Date 6/23/10 1:11:00 PM Prep Date 6/21/10
Client ID: Run ID: GC-ELVIS_100623A SeqNo: 744592

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	954.4	50	µg/Kg	1000	0	95.4	70.9	125	0			
Aroclor 1260	978.1	50	µg/Kg	1000	0	97.8	60.1	126	0			
Surr: Tetrachloro-m-xylene	15.59	0	µg/Kg	16	0	97.4	30	150	0			
Surr: Decachlorobiphenyl	15.74	0	µg/Kg	16	0	98.4	30	150	0			

Sample ID LCSD-20352 Batch ID: 20352 Test Code: SW8082 Units: µg/Kg Analysis Date 6/23/10 1:38:00 PM Prep Date 6/21/10
Client ID: Run ID: GC-ELVIS_100623A SeqNo: 744593

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Qua
Aroclor 1016	1007	50	µg/Kg	1000	0	101	70.9	125	954.4	5.37	50	
Aroclor 1260	1061	50	µg/Kg	1000	0	106	60.1	126	978.1	8.11	50	
Surr: Tetrachloro-m-xylene	16.47	0	µg/Kg	16	0	103	30	150	0	0	0	
Surr: Decachlorobiphenyl	16.01	0	µg/Kg	16	0	100	30	150	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate